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IN THE CLAIMS:

1. [CURRENTLY AMENDED] A burglar alarm and door chime comprising:

a. circuit logic means mounted to a back plate fastened to the inside of a door, said and

cooperating with electric circuit logic means further cooperating with an "instant lock-alarm"

mode electric switching means, and receiving control inputs from ["]chime["]/["]delay alarm["]

modes electric switching means and On/Off power electric switching means to select a delay

alarm mode or a chime mode of said burglar alarm and door chime, instant lock-alarm mode

electric switching means, and non-contacting sensing means cooperating with said

"chime"/"delay alarm" modes electric switching means, said circuit logic means further

cooperating with an audible alarm and chime means cooperating with and an independent

electric power supply means, and "On" and "Off" power electric switch means, and;

b. a front cover containing manual arming spring-biased ["]instant lock-alarm["] slide

means cooperating with said ["]instant lock-alarm["] mode electric switching means of said

burglar alarm and door chime when said front cover is fastened to said back plate, and;

e. a jamb plate fastened to an opposing doorjamb cooperating with said manual arming

spring-biased ["]instant lock-alarm slide["] means of said front cover during the opening of said

door to effect actuate the ["]instant lock-alarm["] mode of said burglar alarm and door chime;[,]

and

d. said non-contacting sensing means consisting of comprising a transmitting means

attached to said jamb plate and a receiving means attached to said back plate, said receiving

means responsive to said transmitting means to automatically activate and deactivate actuate

said selected ["chime"/"]delay alarm["] mode or said selected chime modes electric switching

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means responsive to the opening and closing of said door to effect the selected mode of said

burglar alarm and door chime (i.e. "chime" or "delay alarm" mode).

2 [CURRENTLY AMENDED] The burglar alarm and door chime of claim 1 wherein[: a.] said

spring-biased ["]instant lock-alarm["] slide means attached to said front cover cooperates with

said ["]instant lock-alarm["] switch means to effect actuate an instant audible alarm having

electric circuit latching means and also functions simultaneously slidingly engages as a

mechanical dead bolt lock in cooperation with said jamb plate, and

b. said "chime"/"delay alarm" modes electric switching means of said burglar alarm and

door chime comprise manual selection mode switching means whereby "chime" or "delay

alarm" operational modes may be manually selected for said burglar alarm and door chime, and

c. said audible alarm and chime means comprises a speaker, said "On" and "Off" power

electric switch means comprising a plurality of accessible manually operated electric switching

means in series with said electric power supply means to manually activate or deactivate said

burglar alarm and door chime and said electric power supply means comprises a battery.

3. [AMENDED] The burglar alarm and door chime of claim 2 wherein[: a.] said spring-biased

lock-alarm slide means comprises a slide having ["]armed,["] ["]instant lock-alarm,["] and

["]unarmed["] slide positions slideably attached to said front cover, said slide being spring-

biased to move through slots in said front cover to manually engage said jamb plate for the

["]armed["] slide position, said jamb plate containing an cooperating aperture to automatically

capture said slide during the opening of said door to engage the slide in effect the ["]instant

lock-alarm["] slide position, said slide having stop means engageingable with said front cover to

retain the slide in effect the ["]unarmed["] slide position, and

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said transmitting means consisting of a permanent magnet attached to said jamb

plate and cooperating with said receiving means attached to said back plate and consisting of a

magnetically actuated switch responsive to said permanent magnet during the opening and

closing of said door, said magnetically actuated switch cooperating with said "chime"/"delay

alarm" modes electric switching means and said manual selection mode switching means to

effect a "pre-arm" condition of said "delay alarm" operational mode of said "chime"/"delay alarm"

modes electrical switching means during the opening of said door to activate said magnetically

actuated switch and effect an "armed" condition of said "delay alarm" operational mode during

the closing of said door, and causing a pre-set entry delay time means of said electric circuit

logic means to cause said "delay alarm" operational mode of said "chime"/"delay alarm" electric

switching means to be responsive to the opening of said door to activate said audible alarm

means after a pre-determined delay time, or (if the "chime" mode of said manual selection

mode switching means has been selected) to effect said "chime" operational mode during the

opening of said door.

4. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 3 wherein[: a.] said

electric circuit logic means includes variable time delay means for said ["]delay alarm["]

operational mode[,] and [b.] light flashing indicating means responsive to said unarmed,

["]armed["] slide position, said and ["]instant lock-alarm["] slide positions and of said spring-

biased lock-alarm slide means in said ["]delay alarm["] operational mode[,]-and c. said "On"

and "Off" power electric switch means cooperating with additional electric switching means

whereby the combination of said "On" and "Off" power electric switching means required to

deactivate said burglar alarm and door chime can be altered.

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5. [ORIGINAL] The burglar alarm and door chime of claim 1 further including a smoke detection

sensing unit fastened to said burglar alarm and door chime.

6. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 5 wherein[: a.] said

smoke detection sensing unit comprises a visual functional indicating means, a and manual

functional testing means attached to said burglar alarm and door chime, and b. includes an

independent power supply means.

7. [CURRENTLY AMENDED] A burglar alarm and door chime comprising:

a. a back plate fastened to a front cover forming a hollow enclosure therewith, said back

plate fastened to a door on the protected enclosure side of said door, said back plate having

upper and lower and side surfaces to locate and fasten said front cover to said back plate, and

a power supply means and a printed circuit board comprising a circuit logic means fastened

thereto, said circuit logic means including chime/delay alarm modes electric switching means to

select a delay alarm mode or a chime mode of said burglar alarm and door chime, On/Off

power electric switching means to enable said selected mode, instant lock-alarm mode electric

switching means, and audible alarm and chime means interconnected with said printed circuit

board:

b. said front cover containing manual arming spring-biased ["]instant lock-alarm["] slide

means[,] and a bifurcated leaf spring contact means attached to said spring-biased ["]instant

lock-alarm["] slide means and electrically insulated therefrom, said bifurcated leaf spring

contact means engaging cooperating with said ["]instant lock-alarm["] mode electric switching

means fastened to a printed circuit board, said printed circuit board fastened to said back plate,

and said "instant lock-alarm" mode electric switching means cooperating with electric circuit

logic means of said printed circuit board, and;

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e. non-contact sensing means cooperating with "chime"/"delay alarm" modes electric

switching means of said electric circuit logic means of said printed circuit board, and said non-

contacting sensing means consisting of comprising a transmitting means attached to a jamb

plate[,] and a receiving means attached to said printed circuit board circuit logic means of said

back plate, said receiving means responsive to said transmitting means to automatically

activate and deactivate actuate said selected ["]chime["/"]delay alarm["] modes electric

switching means or said chime mode responsive to the opening and closing of said door to

effect the selected mode of said burglar alarm and door chime (i.e. "chime" or "delay alarm"

mode), and;

d. said transmitting means comprising consisting of a permanent magnet and said

receiving means comprising consisting of a magnetically actuated switch, and:

e. said jamb plate having an opening there through and fastened to a the opposing door

jamb and having a cooperating aperture to automatically capture with said manual arming

spring-biased ["]instant lock-alarm["] slide means of said front cover during the opening of said

door to effect the ["]instant lock-alarm["] mode of said burglar alarm and door chime, and:

f. said printed circuit board containing audible alarm and chime means and cooperating

with "On" and "Off" power electric switching means cooperating with electric circuit logic means

to activate or deactivate said burglar alarm and door chime in combination with electric power

supply means being responsive to the opening and closing of said door to annunciate an

audible alarm corresponding to said delay alarm mode or an audible chime corresponding to

said chime mode according to said selected mode of said burglar alarm and door chime.

8. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 7 wherein[: a.] said

spring-biased ["]instant lock-alarm["] slide means attached to said front cover cooperates with

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said ["]instant lock-alarm["] switch means to effect actuate an instant audible alarm having

electric circuit latching means and also functions simultaneously slidingly engages as a

mechanical dead bolt lock[,] in cooperation with said jamb plate, and

b. said "chime"/"delay-alarm" modes electric switching means of said burglar alarm and

door chime comprise manual selection mode switching means whereby "chime" or "delay

alarm" operational modes may be manually selected for said burglar alarm and door chime, and

c. said audible alarm and chime means comprises a speaker, said "On" and "Off" power

electric switch means comprises a plurality of accessible manually operated electric switching

means in series with said electric power supply means to manually activate or deactivate said

burglar alarm and door chime, and said electric power supply means comprises a battery.

9. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 8 wherein[: a.] said

spring-biased lock-alarm slide means comprises a slide having ["]armed, ["] ["]instant lock-

alarm,["] and ["]unarmed["] slide positions slideably attached to said front cover, said slide

being spring-biased to move through slots in said front cover to manually engage said jamb

plate for the ["]armed["] slide position, said jamb plate containing an cooperating aperture to

automatically capture said slide during the opening of said door to engage the slide in effect the

["]instant lock-alarm["] slide position, said slide having stop means engageingable with said

front cover to effect retain the slide in the ["]unarmed["] slide position, and

b. said permanent magnet attached to said jamb plate being a rare earth permanent

magnet and said magnetically actuated switch being a magnetically responsive reed switch,

said rare earth permanent magnet and said magnetically responsive reed switch cooperating

with said manual selection mode switching means to effect a pre-arm condition of said "delay

alarm" operational mode of said "chime"/"delay alarm" modes electrical switching means during

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the opening of said door and cause said magnetically responsive reed switch to effect the

"armed" condition of said "delay alarm" operational mode during the closing of said door and

causing a pre-set entry delay time means of said electric circuit logic means to cause said

<u>"delay alarm" operational mode of said "chime"/"delay alarm" electric switching means to be</u>

responsive to the opening of said door to activate said audible alarm means after a

predetermined delay time, or (if the "chime" mode of said manual selection mode switching

means has been selected) to effect said "chime" operational mode during the opening of said

door.

10. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 9 wherein[:] a. Ssaid

electric circuit logic means includes variable time delay means for said ["]delay alarm["]

operational mode[,] and light flashing indicating means responsive to said unarmed, ["]armed["]

slide position, said and ["]instant lock-alarm["] slide positions and of said spring-biased lock-

alarm slide means in said ["]delay alarm["] operational mode, and said "On" and "Off" power

electric switch means cooperating with additional electric switching means whereby the

combinations of said "On" and "Off" power electric switching means required to deactivate said

burglar alarm and door chime can be altered.

11. [ORIGINAL] The burglar alarm and door chime of claim 7 further including a smoke

detection sensing unit fastened to said burglar alarm and door chime.

12. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 11 wherein said smoke

detection sensing unit comprises a visual functional indicating means, a and manual functional

testing means attached to said burglar alarm and door chime, and includes an independent

power supply means.

13. [CURRENTLY AMENDED] A burglar alarm and door chime comprising:

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a. an self-contained operational electrical subassembly mounted to a circuit board and

containing electric circuit logic means[,] and electric power supply means mounted to a circuit

board, said electric circuit logic means comprising On/Off power electric switching means,

["]instant lock-alarm["] mode electric switching means, and ["]chime["]/["]delay alarm["] modes

electric switching means, and an audible alarm means, said electrical subassembly mounted to

said circuit board comprising a self-contained operational electrical subassembly unit

detachably secured to a back plate, said back plate removably fastened to a door, and;

b. a mechanical subassembly comprising a front cover including and said front cover

comprising mechanical manual arming spring-biased ["]instant lock-alarm["] actuation means[,]

and spring-biased switching means attached thereto said manual arming spring-biased "instant

lock-alarm" actuation means and cooperating with said circuit board detachably secured to said

back plate to effect actuate said ["]instant lock-alarm["] mode of said burglar alarm and door

chime during the opening of said door, said mechanical subassembly removably interconnected

with said back plate;, and

manually operated mode selection switching means including said instant lock-alarm

and chime/delay alarm modes electric switching means of said circuit logic means cooperating

to manually select among an instant lock-alarm mode, a chime mode, and a delay alarm mode;

said On/Off power electric switch means operating in series with said electric power

supply means to activate or deactivate said burglar alarm and door chime and cooperating with

additional electric switching means to set and alter the unique combination of first and second

positions of each of said On and Off power electric switch means required to activate and

deactivate said burglar alarm and door chime;

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c. non-contacting sensing means cooperating with "chime"/"delay alarm" modes electric

switching means of said circuit board logic means, and said non-contacting sensing means

comprising switch actuation means electrically interconnected attached to said circuit board

responsive to transmissiontting media means attached to a jamb plate further attached to an

opposing door jamb to effect the automatically actuate said selected ["chime"/"]delay alarm["]

mode or said selected chime modes electric switching means during responsive to the opening

and closing of said door, and;

said audible alarm means responsive to said non-contacting sensing means when one

of said modes is selected to emit an audible alarm or chime upon the opening of said door;

a variable time delay means of said circuit logic means to delay the sounding of said

audible alarm or chime;

d. manually operated mode selection switching means attached to said circuit board of

said self-contained operational electrical subassembly unit to manually effect the mode of

choice for said "chime"/"delay alarm" modes electric switching means for said burglar alarm and

door chime, and

e. said manual arming spring-biased ["]instant lock-alarm["] actuation means comprising

a slide for engaging a cooperating aperture in with said jamb plate attached to said door_jamb

to simultaneously provide for a mechanical deadbolt locking mode upon the opening of said

door in said selected instant lock-alarm mode, and

f. an audible alarm means responsive to said manual arming spring-biased "instant lock-

alarm" actuation means and said "chime"/"delay alarm" modes electric switching means, said

audible alarm means cooperating with said electric power supply means to sound an alarm

upon the opening of said door, and

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g. "On" and "Off" power electric switch means cooperating with said electric power

supply means to activate or deactivate said burglar alarm and door chime, and said "On" and

"Off" power electric switch means cooperating with additional switch means whereby the

combination of said "On" and "Off" power electric switch means required to deactivate said

burglar alarm and door chime can be altered, and said "delay alarm" means having variable

time delay means cooperating with said electric circuit logic means.

14. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 13 wherein said electric

circuit logic means includes light indicating flashing means responsive to unarmed, pre-arm,

["]armed,["] and ["]dead-bolt-lock-alarm["] operational states of said manual arming spring-

biased ["]instant lock-alarm["] actuation means and in cooperation with said "delay alarm"

operational state of said ["]chime["]/["]delay alarm["] modes electric switching means.

15. [CURRENTLY AMENDED] The burglar alarm and door chime of claim 13 further including a

smoke detection sensing unit independently fastened to said back plate and including

independent power supply means, said smoke detection sensing unit comprising a visual

functional indicating means and a manual functional testing means attached to said front cover

of said mechanical subassembly and extending therethrough, to provide for visually and

manually operationally testing said smoke detection sensing unit from said front cover.

16. [CANCELLED]

17. [CANCELLED]

18. [CANCELLED]

19. [CANCELLED]

20. [CANCELLED]

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21. [NEW] The burglar alarm and door chime of claim 1 wherein said receiving means

comprising a magnetically actuated switch attached to said back plate is responsive to said

transmitting means comprising a permanent magnet attached to said jamb plate during the

opening and closing of said door, said magnetically actuated switch cooperating with said

chime/delay alarm modes electric switching means and said On/Off power electric switching

means to effect a pre-arm condition of said delay alarm operational mode during the opening of

said door, and subsequently to activate said magnetically actuated switch to effect an armed

condition of said delay alarm operational mode during the closing of said door and enabling a

pre-set entry delay time means of said electric circuit logic means to be responsive to the

subsequent opening of said door to actuate said audible alarm means after a pre-determined

delay time in said selected delay alarm operational mode of said burglar alarm and door chime,

or to actuate said audible chime means during the opening of said door in said selected chime

operational mode of said burglar alarm and door chime.

22. [NEW] The burglar alarm and door chime of claim 21 wherein said chime/delay alarm

modes electric switching means comprises manual selection mode switching means whereby

chime or delay alarm operational modes may be manually selected for said burglar alarm and

door chime.

23. [NEW] The burglar alarm and door chime of claim 1 wherein said On/Off power electric

switching means comprising a plurality of accessible manually operated electric switching

means in series with said electric power supply means to manually activate or deactivate said

burglar alarm and door chime cooperates with additional electric switching means to set and

alter the unique combination of first and second positions of each of said On/Off power electric

switching means required to activate and deactivate said burglar alarm and door chime.

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24. [NEW] The burglar alarm and door chime of claim 7 wherein said permanent magnet

comprising a rare earth magnet attached to said jamb plate is responsive to said magnetically

actuated switch comprising a magnetically responsive reed switch, said rare earth permanent

magnet and said magnetically responsive reed switch cooperating with said chime/delay alarm

modes electric switching means and said On/Off power electric switching means to effect a pre-

arm condition of said delay alarm operational mode during the opening of said door and

subsequently to activate said magnetically responsive reed switch to effect an armed condition

of said delay alarm operational mode during the closing of said door and enabling a pre-set

entry delay time means of said circuit logic means to be responsive to the subsequent opening

of said door to activate said audible alarm means after a predetermined delay time in said

selected delay alarm operational mode of said burglar alarm and door chime, or to activate said

audible chime means during the opening of said door in said selected chime operational mode

of said burglar alarm and door chime.

25. [NEW] The burglar alarm and door chime of claim 24 wherein said chime/delay alarm

modes electric switching means comprises manual selection mode switching means whereby

chime or delay alarm operational modes may be manually selected for said burglar alarm and

door chime.

26. [NEW] The burglar alarm and door chime of claim 7 wherein said On/Off power electric

switching means comprising a plurality of accessible manually operated electric switching

means in series with said electric power supply means to manually activate or deactivate said

burglar alarm and door chime cooperates with additional electric switching means to set and

alter the setting of the unique combination of first and second positions of each of said On/Off

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power electric switching means required to activate and deactivate said burglar alarm and door chime.

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